

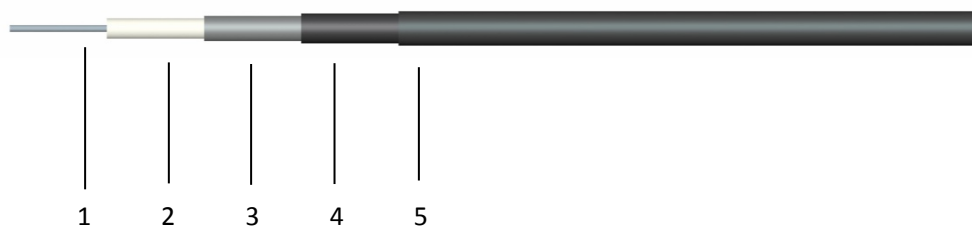
CAC Technology® Data Sheet

RF Coaxial Cable P/N: 22P3_FEP

Description

22P3_FEP

the double shield of Tape&Braid flexible coaxial cable, high performance microwave cable.



Construction

Inner Conductor	① Silver Plated Copper	0.51mm ± 0.02
Dielectric	② LDPTFE	1.38mm
Outer Conductor	③ Silver Plated Copper Tape	1.58mm
Braiding	④ Silver Plated Copper Braid	1.89 ± 0.05
Jacket	⑤ FEP, Gray	2.20 ± 0.1

Electrical Data

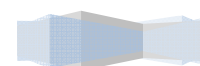
Impedance	50 ohm
Max. operating frequency	40 GHz
Velocity of signal propagation	81%
Shielding effectiveness	> 90 dB (@1 GHz)
Max. operating voltage	1500V

Mechanical Data

Weight	85g/ m
Min. bending radius	static 30 mm
	dynamic 60mm

Environmental Data

Temperature range	-55 °C ~ +165 °C
2011/65/EU (RoHS)	compliant



Attenuation & CW Power

Frequency	Attenuation	Attenuation	CW Power
GHz	dB/100m	dB/100ft	W
1	63.95	19.49	112.40
3	112.46	34.28	63.92
5	146.69	44.71	49.00
7	175.02	53.35	41.07
9	199.87	60.92	35.96
11	222.37	67.78	32.32
13	243.14	74.11	29.56
15	262.55	80.03	27.38
17	280.89	85.62	25.59
19	298.33	90.93	24.09
21	315.01	96.01	22.82
23	331.03	100.90	21.71
25	346.49	105.61	20.75
27	361.45	110.17	19.89
29	375.95	114.59	19.12
31	390.06	118.89	18.43
33	403.81	123.08	17.80
35	417.22	127.17	17.23
37	430.33	131.16	16.70
39	443.16	135.08	16.22
40	449.48	137.00	15.99

Version	Drawn/Date	Check/Date
02	Rudy 2014.12.18	Mark 2014.12.19

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